

FIG.1

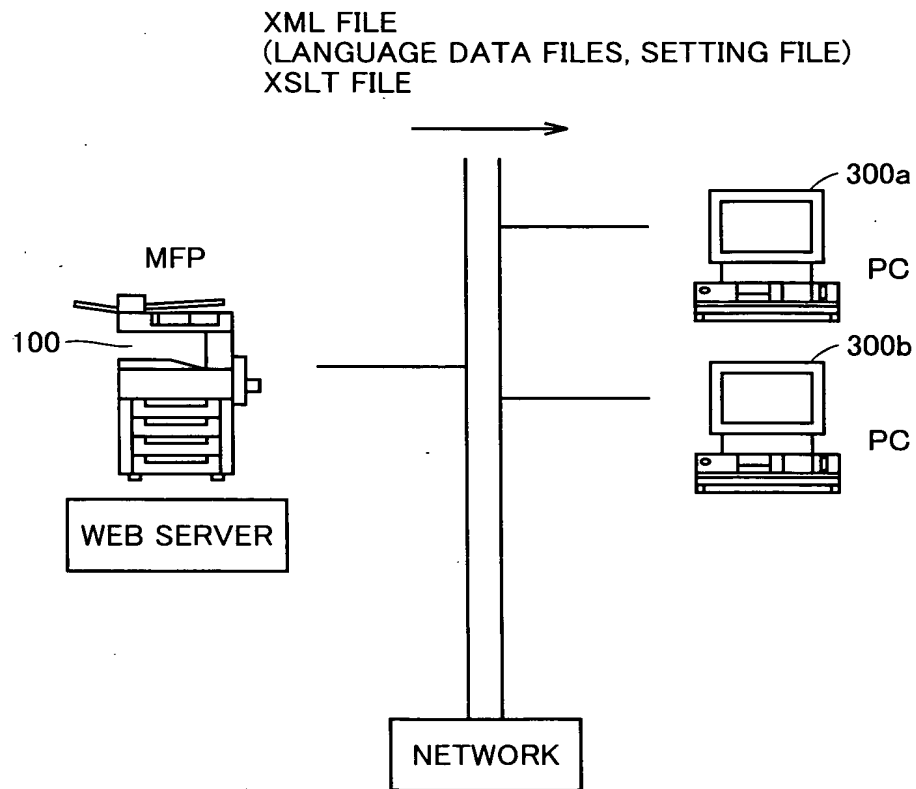


FIG.2

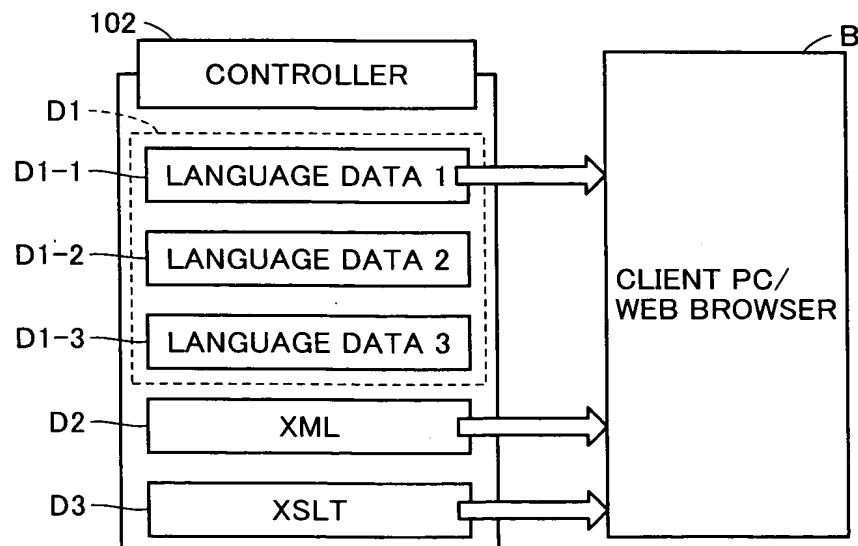


FIG.3

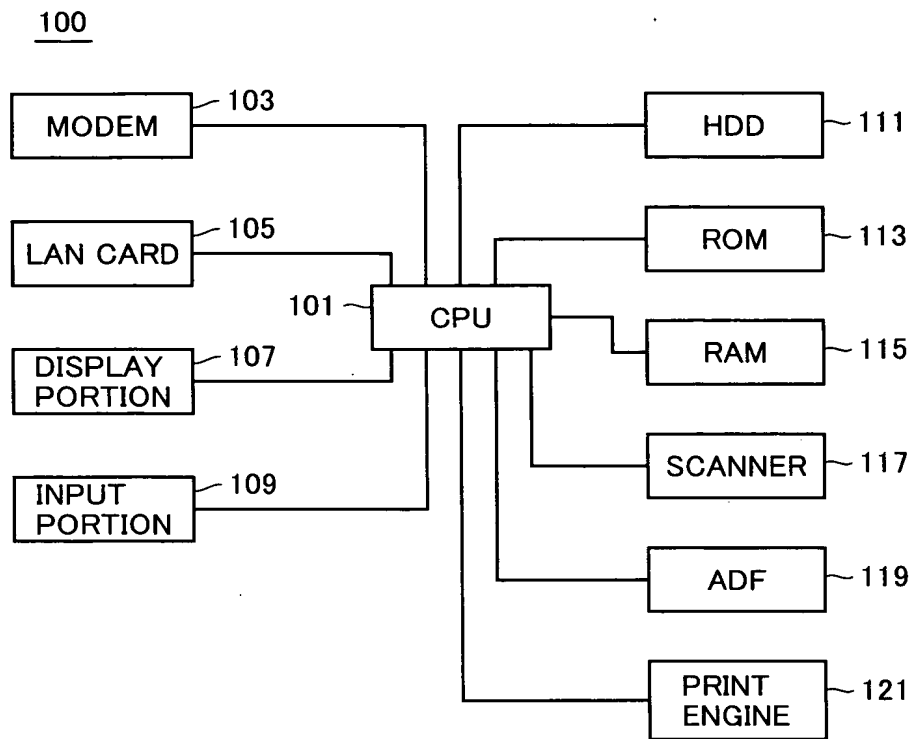


FIG.4

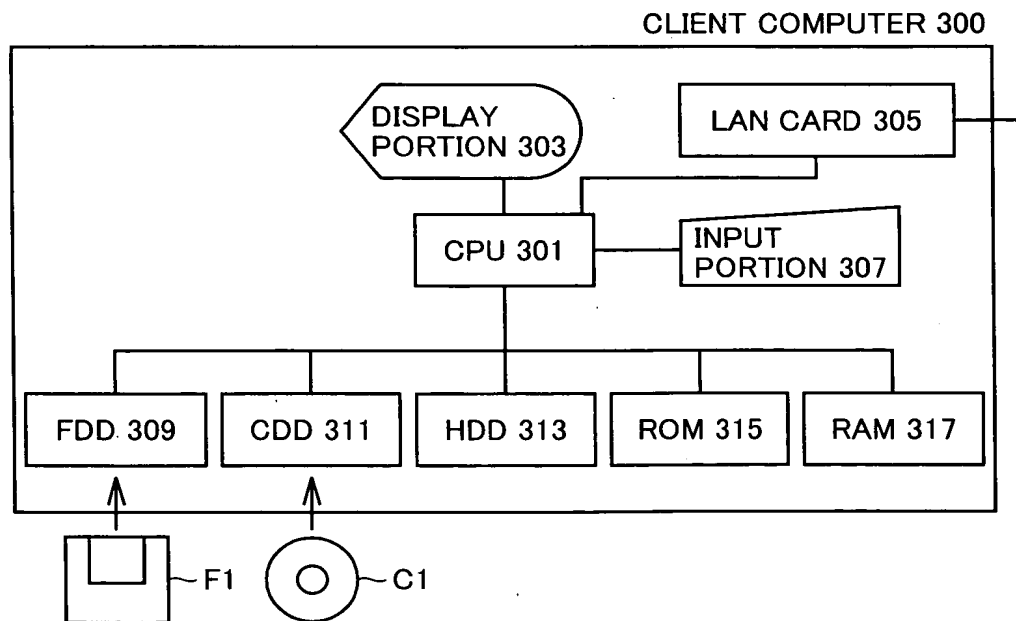


FIG.5

XML1(English.xml)

```
<MFP>
  <Title>Print</Title>
  <Select>
    <item>Enable</item>
    <item>Disable</item>
  </Select>
</MFP>
```

FIG.6

XML2(Japanese.xml)

```
<MFP>
  <Title>プリント</Title>
  <Select>
    <item>有効</item>
    <item>無効</item>
  </Select>
</MFP>
```

FIG. 7

XML3(Language.xml)

```
<?xml version="1.0">  
<?xml-stylesheet href="language.xml" type="text/xsl"?>  
<MFP>  
  <Set>1</Set>  
  <Language>English.xml</Language>  
  <Language>Japanese.xml</Language>  
</MFP>
```

WHEN ENGLISH IS SELECTED,
SET TO 1, AND WHEN JAPANESE
IS SELECTED, SET TO 2.

FIG.8

XSLT(Language.xsl)

```

<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform version="1.0">
<xsl:output method="html" encoding="UTF-8"/>
<xsl:variable name="Language">
  <xsl:value-of select=
    "document('Language.xml')//Language[position()=number(/MFP/Set)]"/> (1)
</xsl:variable>
<HTML>
<BODY>
<TABLE>
  <TR>
    <TD>NetWare Print</TD>
    <TD>
      <select size="1">
        <xsl:for-each select="document($Language)//MFP/item"> (2)
          <option>
            <xsl:value-of select="."/>
          </option>
        </xsl:for-each>
      </select>
    </TD>
  </TR>
</TABLE>
<BODY>
</xsl:stylesheet>
  
```

LANGUAGE FILE OF THE CURRENTLY SET
 LANGUAGE IS AUTOMATICALLY SELECTED.

FIG.9

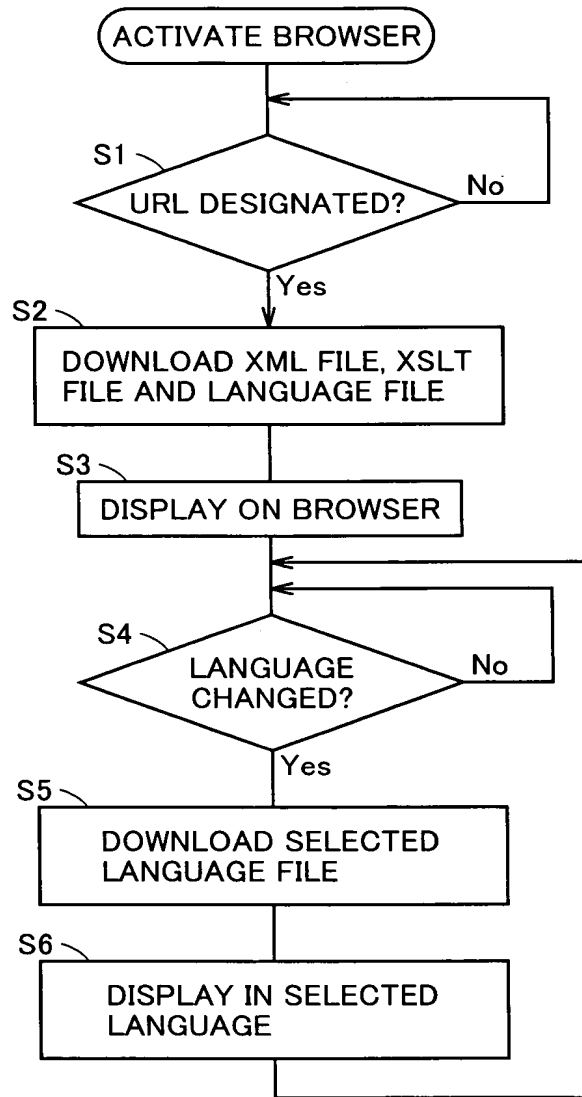


FIG.10

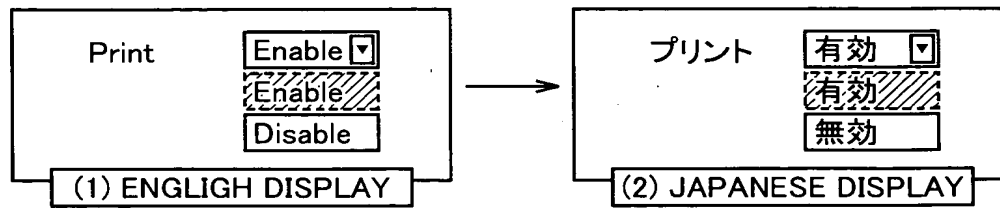


FIG.11

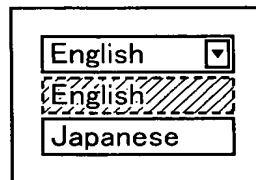


FIG.12

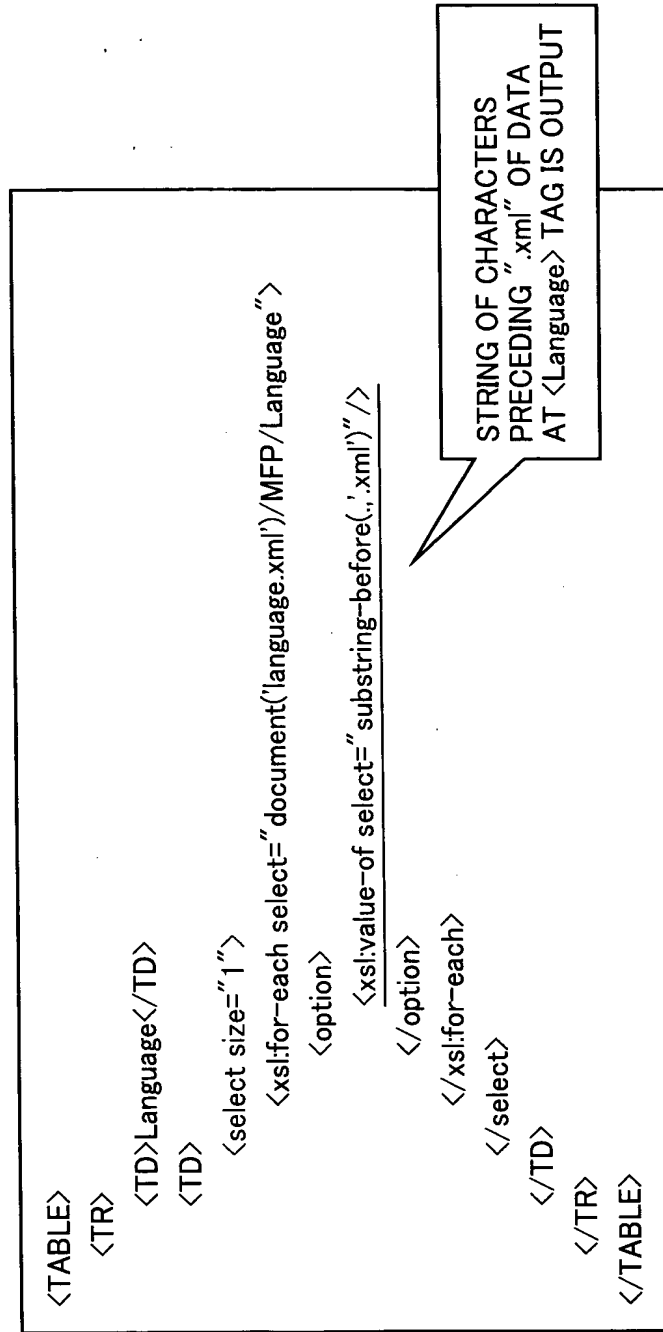


FIG.13

Folder1.xml (INFORMATION OF THE FILE STORED IN Folder1)

```
<MFP>
  <File>
    <FileName>Jane.tif</FileName>
    <ReceiveTime>2003/7/4 9:30</ReceiveTime>
    <FileSize>255</FileSize>
  </File>
  <File>
    <FileName>Map/jpg</FileName>
    <ReceiveTime>2003/7/5 14:00</ReceiveTime>
    <FileSize>300</FileSize>
</MFP>
```

FIG.14

Folder2.xml (INFORMATION OF THE FILE STORED IN Folder2)

```
<MFP>
  <File>
    <FileName>test.tif</FileName>
    <ReceiveTime>2003/7/3 10:00</ReceiveTime>
    <FileSize>255</FileSize>
  </File>
  <File>
    <FileName>example.jpg</FileName>
    <ReceiveTime>2003/7/6 13:00</ReceiveTime>
    <FileSize>300</FileSize>
</MFP>
```

FIG.15

BoxList.xml

```
<?xml version="1.0">
<?xml-stylesheet href="BoxList.xsl" type="text/xsl"?>
<MFP>
  <Set>1</Set>
  <Box>Folder1.xml</Box>
  <Box>Folder2.xml</Box>
</MFP>
```

FIG.16

STYLE SHEET (BoxList.xsl)

```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">
<xsl:output method="html" encoding="UTF-8"/>
<xsl:variable name="Box">
  <xsl:value-of select="
    document(BoxList.xml)//Box[position()=number(/MFP/Set)]"/>
</xsl:variable>
<HTML>
<BODY>
  <TABLE id="BoxList" style="display:block">
    <TR><TD>Folder1</TD></TR>
    <TR><TD>Folder2</TD></TR>
  </TABLE>
  <TABLE id="BoxInfo" style="display:none">
    <TR>
      <TD>File Name</TD>
      <TD>Received Time</TD>
      <TD>File Size</TD>
    </TR>
    <xsl:for-each select="document($Box)/MFP/File">
      <TR>
        <TD><xsl:value-of select="FileName"/></TD>
        <TD><xsl:value-of select="ReceivedTime"/></TD>
        <TD><xsl:value-of select="FileSize"/></TD>
      </TR>
    </xsl:for-each>
  </TABLE>
</BODY>
</xsl:stylesheet>
```

FIG.17

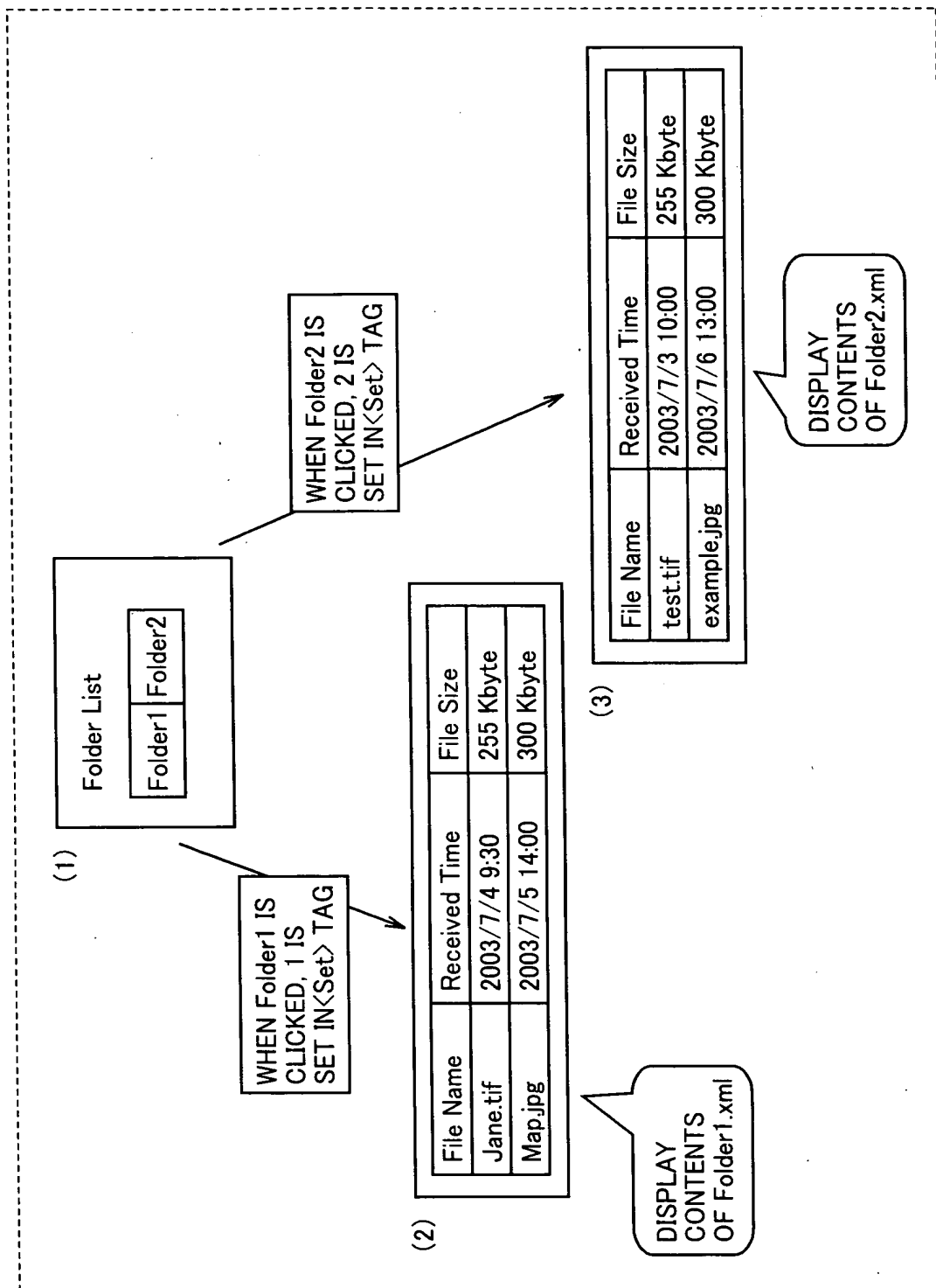


FIG.18

* 1 →

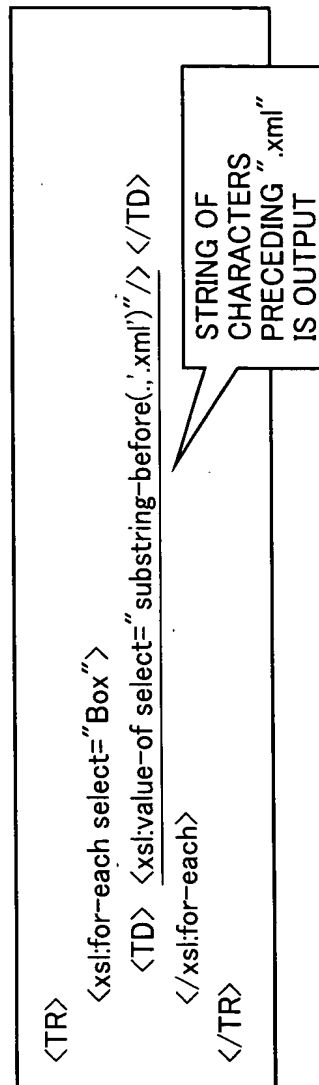


FIG.19

ONE EXAMPLE (BoxList2.xml)

```
<?xml version="1.0">  
<?xml-stylesheet href="BoxList2.xsl" type="text/xsl"?>  
<MFP>  
  <Set>1</Set>  
  <Folder>  
    <Name>Mike</Name>  
    <Box>Folder1.xml</Box>  
  </Folder>  
  <Folder>  
    <Name>Jane</Name>  
    <Box>Folder2.xml</Box>  
  </Folder>  
</MFP>
```

FIG.20

STYLE SHEET (BoxList2.xsl)

```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet xmlns:xsl=http://www.w3.org/1999/XSL/Transform version="1.0">
<xsl:output method="html" encoding="UTF-8"/>
<xsl:variable name="Box">
  <xsl:value-of select=
    "document(BoxList.xml)//Box[position()=number(/MFP/Set)]"/>
</xsl:variable>
<HTML>
<BODY>
  <TABLE id="BoxList" style="display:block">
    <xsl:for-each select="Folder">
      <TR><TD><xsl:value-of select="Name"/></TD></TR>
    </xsl:for-each>
  </TABLE>
  <TABLE id="BoxInfo" style="display:none">
    <TR>
      <TD>File Name</TD>
      <TD>Received Time</TD>
      <TD>File Size</TD>
    </TR>
    <xsl:for-each select="document($Box)/MFP/File">
      <TR>
        <TD><xsl:value-of select="FileName"/></TD>
        <TD><xsl:value-of select="ReceivedTime"/></TD>
        <TD><xsl:value-of select="FileSize"/></TD>
      </TR>
    </xsl:for-each>
  </TABLE>
</BODY>
</xsl:stylesheet>
```

FIG.21

EXEMPLARY DISPLAY

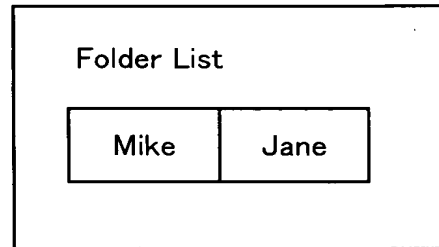


FIG.22

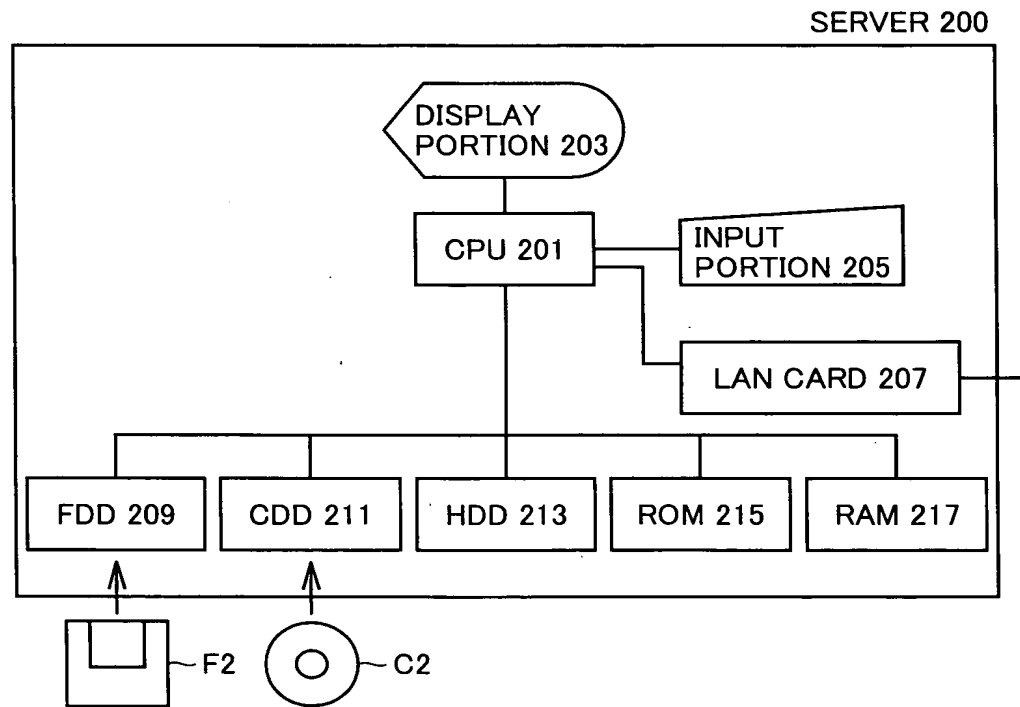


FIG.23

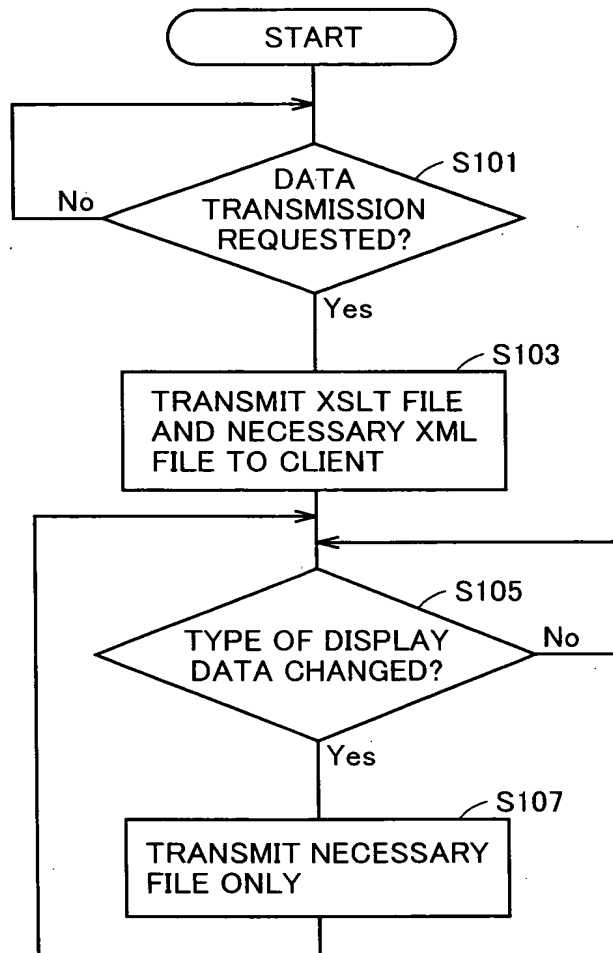


FIG.24

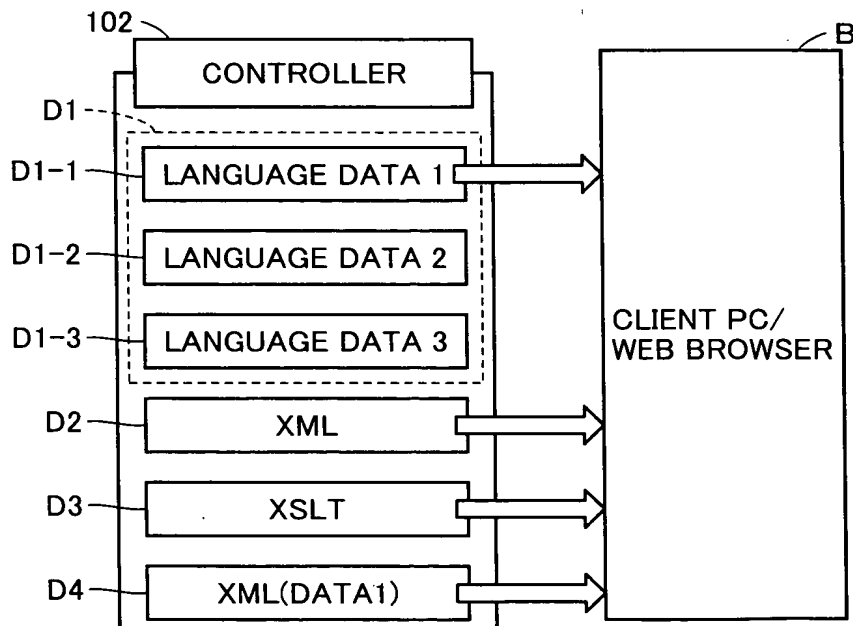


FIG.25

XML1(English.xml)

```
<MFP>
  <Print>Print</Print>
  <Status>
    <Item data="Ready">Ready</Item>
    <Item data="Error">Error</Item>
  </Status>
  <Select>
    <Item data="Enable">Enable</item>
    <Item data="Disable">Disable</item>
  </Select>
</MFP>
```

FIG.26

XML2(Japanese.xml)

```
<MFP>
  <Print>プリント</Print>
  <Status>
    <Item data="Ready">レディ</Item>
    <Item data="Error">エラー</Item>
  </Status>
  <Select>
    <Item data="Enable">有効 </Item>
    <Item data="Disable">無効</Item>
  </Select>
</MFP>
```

FIG.27

XML3(Language.xml)

```
<MFP>  
  <Set>1</Set>  
  <Language>English.xml</Language>  
  <Language>Japanese.xml</Language>  
</MFP>
```

WHEN ENGLISH IS SELECTED,
SET TO 1, AND WHEN JAPANESE
IS SELECTED, SET TO 2.

FIG.28

DATA1(data.xml)

```
<?xml version="1.0">  
<?xml-stylesheet href="data.xsl" type="text/xsl"?>  
<MFP>  
  <Print>  
    <Status>Ready</Status>  
    <Function>Enable</Function>  
  </Print>  
</MFP>
```

FIG.29

XSLT(data.xml)

```

<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">
<xsl:output method="html" encoding="UTF-8"/>
<xsl:variable name="Language">
  <xsl:value-of select="
    document('Language.xml')//Language[position()=number(/MFP/Set)]"/> ← (1)
</xsl:variable>
<HTML>
<BODY>
  <TABLE>
    <TR>
      <TD>
        <xsl:value-of select="document($Language)//MFP/Print"/> ← (2)
      </TD>
      <TR>
        <TD>
          <xsl:variable name="X"><xsl:value-of select="MFP/Print/Status"/></xsl:variable> ← (3)
          <xsl:variable-of select="document($Language)//MFP/Status/Item[@data=$X]"/> ← (4)
        </TD>
        <TD>
          (5) → <xsl:variable name="Y"><xsl:value-of select="MFP/Print/Function"/></xsl:variable>
          <select size="1">
            <xsl:for-each select="document($Language)//MFP/Select/Item">
              <option>
                <xsl:if test="@data=$Y">
                  <xsl:attribute name="selected">selected</xsl:attribute>
                </xsl:if>
                <xsl:value-of select="."/>
              </option>
            </xsl:for-each>
          </select>
        </TD>
      </TR>
    </TABLE>
  </BODY>
</xsl:stylesheet>

```

LANGUAGE FILE OF THE CURRENTLY SET LANGUAGE IS AUTOMATICALLY SELECTED.

"Ready" IS STORED IN VARIABLE X

DISPLAY CONTENTS OF Item TAG OF WHICH ATTRIBUTE data IS VARIABLE X

LOOK VALUE OF Function TAG OF DATA1, AND PRESENT PRESELECTED DISPLAY ON SELECT BOX.

FIG.30

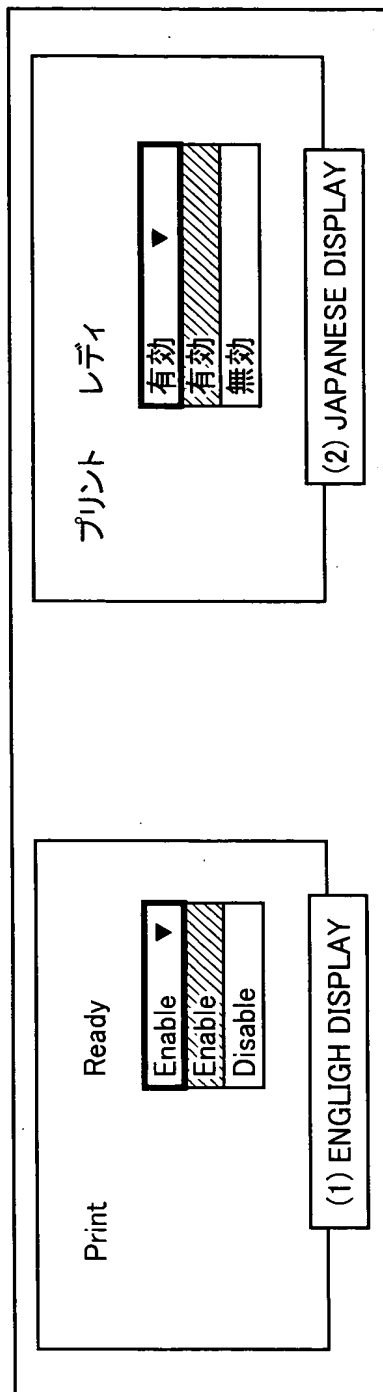


FIG.31

XML1(User.xml)

```
<MFP>
  <Check>
    <ErrorItem>
      <Item name="IPAdd">IP address</Item>
      <Item name="SubnetMask">Subnet Mask</Item>
    </ErrorItem>
    <Message>
      <Item name="Ok_1">Complete</Item>
      <Item name="Str_1">Not input yet</Item>
      <Item name="Str_2">Number of characters too large</Item>
      <Item name="Str_3">Input character not correct</Item>
      <Item name="Err_2">Internal error</Item>
    </Message>
  </Check>
</MFP>
```

FIG.32

XML2(Admin.xml)

```
<MFP>
  <Check>
    <ErrorItem>
      <Item name="IPAdd">IP address</Item>
      <Item name="SubnetMask">Subnet Mask</Item>
    </ErrorItem>
    <Message>
      <Item name="Ok_1">Complete</Item>
      <Item name="Str_1">Not input yet. Input absolutely necessary.</Item>
      <Item name="Str_2">Number of input characters exceeds available number.</Item>
      <Item name="Str_3">
        Characters not settable included. Only numerals and period can be input.
      </Item>
      <Item name="Err_2">
        Internal error occurred. Set again.
      </Item>
    </Message>
  </Check>
</MFP>
```

FIG.33

XML3(System.xml)

```
<MFP>  
  <Set>1</Set>  
  <Kind>User.xml</Kind>  
  <Kind>Admin.xml</Kind>  
</MFP>
```

FIG.34

DATA1(error.xml)

```
<?xml version="1.0" encoding="UTF-8"?>  
<?xml-stylesheet href="Error.xsl" type="text/xsl"?>  
<MFP>  
  <Message>  
    <Item Code="Str_1">IPAdd</Item>  
    <Item Code="Str_3">SubnetMask</Item>  
  </Message>  
</MFP>
```

FIG.35

XSLT(Error.xsl)

```

<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform version="1.0">
<xsl:output method="html" encoding="UTF-8"/>
<xsl:variable name="Display">
  <xsl:value-of select=
    "document('System.xml')//Kind[position()=number(/MFP/Set)]"/> ← (1)
</xsl:variable>
<HTML>
  <BODY>
    <table valign="top" width="510px" align="center">
      <tr>
        <th height="50px" align="left"><xsl:value-of select="$Fix/Error/Message"/></th>
      </tr>
      <xsl:for-each select="Message/Item">
        <xsl:variable name="Me"><xsl:value-of select="."/></xsl:variable> } (2)
        <xsl:variable name="Co"><xsl:value-of select="@Code"/></xsl:variable>
        <xsl:value-of select="Me">STORE VALUE OF Item TAG OF !-error.xml TO VARIABLE Me → ← (3)
        <xsl:attribute name="Co">STORE ATTRIBUTE Code VALUE OF Item TAG OF !-error.xml TO VARIABLE Co →
      </tr>
      <td width="210px">
        (4) → <xsl:value-of select="document($Display)/MFP/Check/ErrorItem/Item[@name=$Me]"/></td>
      <td width="300px">
        (5) → <xsl:value-of select="document($Display)/MFP/Check/Message/Item[@name=$Co]"/></td>
      </tr>
    </xsl:for-each>
  </table>
  
```

User.xml IS STORED

FIG.36

IP address	Not input yet
Subnet mask	Input character not correct